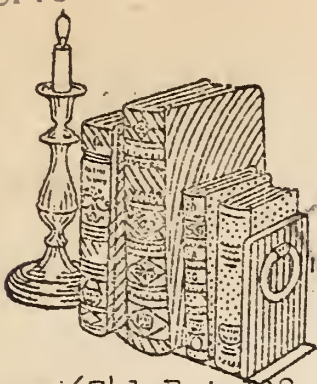


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LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

APR 7 1949
U. S. DEPARTMENT OF AGRICULTURE
ALBUQUERQUE BRANCH
P.O. Box 1348

220 East Central
July & Aug. 1949

BIBLIOGRAPHICAL SERVICES

The Albuquerque Branch offers three types of bibliographical services to USDA employees in Arizona, Colorado, New Mexico and Utah:

1. Preparation of short lists of references.

Brief bibliographies on subjects connected with your work are compiled on request by the Branch Librarian in Albuquerque. Comprehensive bibliographies are compiled by the Bibliographical Division of the USDA Library in Washington as time permits. Requests for such bibliographies will be sent to the Main Library for consideration.

2. Location and circulation of existing agricultural bibliographies.

When starting a research project or study let us know what your subject is and we will endeavor to locate the bibliographies which have been prepared on that subject. There are bibliographies on a wide variety of subjects which have been compiled by the USDA Library, the USDA Branch Libraries, U.S. agricultural research laboratories, agricultural colleges and other public agencies and private institutions.

As an aid in locating these bibliographies for your use we are building a card index. At present this file contains cards describing typewritten bibliographies compiled by the Main Library and the Branches, many of which are not noted in bibliographical sources. We plan to expand this file by including cards for mimeographed and printed bibliographies. The card index, together with other sources such as H.W. Wilson's Bibliographic Index, will help us to determine what work has been done on agricultural subjects of interest to you.

Many bibliographies are on file in the Albuquerque Branch, and others can be borrowed from the Main Library. Short typewritten lists are frequently supplied in photoprint form by the Library in Washington.

3. Routing of periodical bibliographies.

In order to keep you informed of the literature currently published on agricultural subjects of interest to you, the Albuquerque Branch circulates several bibliographical periodicals. Those most widely used are listed on page 2.

Bibliography of Agriculture. Issued monthly by the USDA Library in Washington.

Herbage Abstracts. Published by the Commonwealth Bureau of Pastures and Field Crops, Aberystweth, Great Britain.

Field Crop Abstracts. Also published by the Commonwealth Bureau. Our subscription will begin January 1950.

Biological Abstracts. Sponsored by the Union of American Biological Societies.

Agricultural Index. Published by the H.W. Wilson Co. The current issues are kept in the Library for reference, but the superseded issues are circulated.

These publications list current books, bulletins and periodical articles, and are routed regularly, upon request, to USDA employees in this region.

Send your requests for titles noted in these bibliographies to the Branch. If they are not available here your requests will be forwarded to the Main Library in Washington. The Library will supply, at its discretion, either the original on loan or, in case of articles under fifty pages, a free photoprint copy in lieu of a loan.

By checking the periodical bibliographies regularly you can have brought to your desk, either in the original or in photoprint form, agricultural literature published anywhere in the world. The service from Washington usually takes two to three weeks.

NEW BOOKS

THE ART OF LETTERING, By C. L. Svenson. 136 p. 2nd ed. Van Nostrand 1947
238 Sv2

USDA engineers, draftsmen, and cartographers will find in this handbook preliminary and detailed information for the study of lettering. The book covers the basic fundamentals of composition and layout, and there is a large collection of ancient and modern alphabets presented for reference and study. Tools and materials are described including paper surfaces and lettering pens.

BETTER UTILIZATION OF MILK, By D. A. Soulides. 76 p. (FAO Agricultural Studies No. 7) Food and Agriculture Organization of the United Nations, 1949. 28 F73.

The first part of this study surveys current practices of milk use in countries not advanced in dairying and outlines ways of improvement. The latter part deals with the possibilities of increasing the use of dairy by-products for human consumption in countries where dairying is advanced and where milk shortages have developed. It indicates methods of using skim milk and whey for human food.

BREEDING LIVESTOCK ADAPTED TO UNFAVORABLE ENVIRONMENTS, By R. W. Phillips. 182 (FAO Agricultural Studies no. 1) Food and Agriculture Organization of the United Nations. 1948 28 F73.

The adaptability of animals to the environment under which they live and produce must be given careful consideration in all attempts to expand and improve livestock production. This volume has been prepared to call attention to the importance of this problem of adaptability. It summarizes important work that has been done in various parts of the world to determine the reactions of animals to their environment and to develop animals adapted to specific conditions.

DYNAMICS OF VEGETATION, By F. E. Clements. 296 p. Wilson 1949 463.8 059D

"This book is a compilation of selected writings on Dynamic Ecology, by Dr. Frederic E. Clements, for which there is a widespread and continuing demand. It has been undertaken with the twofold purpose of serving as a memorial to Dr. Clements' creative genius in the field of ecology, and to make available a number of his most important and out-of-print contributions, as serviceable references and guides to agronomists, range men, biologists, foresters, conservationists, teachers and students."

--B. W. Allred, Editor, Soil Conservation Service, Fort Worth, Texas

FEDERAL PROSE; HOW TO WRITE IN AND/OR FOR WASHINGTON, By J. R. Masterson and W. B. Phillips. 45 p. Univ. of North Carolina Press 1948 200.4 M39

"Gobbledegook" is the subject of this spritely pamphlet on government writing. "Handsomely illustrated" (publisher's note) "the book explains the origin of Federal Prose, demonstrates its logic, and offers detailed instructions for its use."

HYDROLOGY, By C. W. Wisler and E. F. Brater. 419 p. Wiley 292 W752

A textbook and reference presenting the fundamental principles of hydrology. The distribution graphs, the unit hydrograph, the theory of infiltration capacity, and many other recent developments in this field are clearly described. Procedures for determining the minimum flow and long term average yield of any drainage basin and methods for computing the ground water yield of a well or of any given area are also presented.

The engineer, forester and agriculturist will find this book helpful in solving practical problems in hydrology.

MINERAL NUTRITION OF PLANTS AND ANIMALS, By F. A. Gilbert. 131 p. Univ. of Okla. Press 1948 395 G372

This survey discusses many books and articles dealing with mineral nutrition, and the values of trace elements to plants and animals. It classifies mineral elements in nutrition and presents a sketch of the early history of plant nutrition from Aristotle to Liebig.

Mineral deficiencies in human beings result from the consumption of inadequately fortified food, vegetable, animal, or both. This book presents a foundation for more intensive research in seeking better food for the health of the nation.

PRACTICAL PLANT ANATOMY, By W. S. Foster 228 p. 2nd ed. Van Nostrand. 1949 463.41 F81

A laboratory manual designed to provide the student a means of articulating the practical study of laboratory material with the best of modern theory and interpretation. In carrying out that purpose the author has included with each exercise a brief introductory section in which he summarizes the present status of the subject. These sections will serve the practical botanist as a brief review in the field of plant anatomy.

SOIL, FOOD AND HEALTH "You are what you eat". Jonathan Forman, editor. 342 p. Friends of the Land 1948.

In addition to presenting the papers read at the 7th Annual Conference on Conservation, Nutrition, and Health, this book contains integrating essays by the editor setting forth the relation of each address to the subject as a whole.

Partial contents.- Water, our most precious and critical mineral, by O.E. Fink.- The Need of quality control in future timber crops, by B. H. Paul.- Soil fertility and health, as taught by William A. Albrecht of the University

of Missouri, by O. E. Fink.- Atomic energy: its value in agriculture and agricultural research, by H. D. Brown.- Building soils to produce champions, by B. T. Abbott.- The Nutritional needs of our livestock, by T. S. Sutton.- Population pressures versus the food supply, by Jonathan Forman.

THREES - THE YEARBOOK OF AGRICULTURE 1949. U.S. Govt. print. off., 1949 1 Ag84Y

A wealth of practical information on trees - as a farm crop, as a renewable national resource, as a necessary part of country and city life.

The tree is first considered as a unit and there are chapters on a tree as a living thing, famous trees, and general questions and answers. Next there is a section on Trees and Homes - what shade trees to plant and how to plant and care for them. This is followed by a discussion of Forests and Men - the farm woodlands and windbreaks, private forests, and national forests. There is a discussion of specific problems and values - insects, fire, recreation, wildlife, and economic importance. The final section furnishes additional sources of information - lists, charts, tables, a glossary of terms, and references for further reading.

UPLAND GAME MANAGEMENT, By Floyd A. Johnson. 80 p. Wildlife Management Inst. 1948 412.9 J63

A "know-how" bulletin designed to promote better management and use of the nation's wildlife resources. The author emphasizes the complete dependence of wildlife upon suitable habitat, and tells the landowner, sportsman and sportsmen's clubs what to do and how to do it. He points out that any game production program must be moulded into prevailing agricultural uses of land, and stresses the importance of the soil conservation program in wildlife production.

THE VALUE OF SOIL CONSERVATION, PROBLEMS OF CONSERVING SOIL, WATER AND WILDLIFE, By A. W. Philips. 64 p. Univ. Neb. Pub. Co. 1949 56.7 P53

All conservationists who encourage the teaching of conservation will want to see this new text-workbook. It was prepared in close collaboration with the U.S. Soil Conservation Service office in Lincoln Nebraska and text, illustrations and problems are used to present the conservation program.

VEGETABLE GROWING, By J. E. Knott. 314 p. Lea & Febiger 1949 91.15 K75

A revised text presenting the characteristics of vegetable crops, the factors affecting their growth, and general considerations to be observed in their culture. The first part of the book is a general discussion of the subject - equipment, seedage, soils and fertilizers, cropping systems, moisture supply, insect and disease control, garden layout, and storage.

The second part is devoted to a discussion of the different kinds of vegetables which have been grouped according to similar cultural requirements.

WILDLIFE FOR AMERICA; THE STORY OF WILDLIFE CONSERVATION, By E. H. Graham. 109 p. Oxford Univ. Press 1949 412.9 G76

This book is a companion volume to The Land Renewed by Graham and Van Dersal. It presents the basic idea and facts of wildlife conservation in simple attractive fashion. The 110 pages are almost evenly divided between illustrations and text. The full page photographs are beautifully reproduced and help to tell the story of what has been done in wildlife conservation, what remains to be done, and what wild life means to our agriculture, our forests, and our enjoyment.

PERIODICAL NOTES

The following titles have been added to our files. Let us know if you wish to have your name added to the routing lists.

Average Monthly Weather Resume and Outlook. M Published by the U.S. Weather Bureau. Charts giving an estimate of the average rainfall and temperature for 30 days in advance.

Crop Conditions and Other Agricultural Data. M Issued by the Santa Fe Railway. Gives data for Arizona, Colorado and New Mexico

Progressive Agriculture in Arizona. Q Published by the College of Agriculture University of Arizona. Signed articles on the research work and program of the agricultural college.

Publications of the Food and Agriculture Organization of the United Nations. M

The June and July 1949 issues of ARIZONA HIGHWAY, CONSUMER UNION REPORTS and NEW MEXICO MAGAZINE may be borrowed for one week. Send in your request on the regular AD-245 library request form.

NEW BULLETINS

AGRICULTURAL ENGINEERING

BENEFITS OF WATER RETARDATION STRUCTURES. Paper presented by Howard Matson at 4th Midwestern States Flood Control Conference, Oklahoma City, May 5-6, 1949. U.B. Eng. FLOW OF WATER IN CHANNELS PROTECTED BY VEGETATIVE LININGS. USDA Tech. Bul. 967 1949 1 Ag84Te
LAND DRAINAGE. Calif. Agr. Exp. Sta. Circ. 391. 1949 100 C12Sc
REPAIRS TO THE FARM HOME. Rural Housing Advisory Committee for British Columbia. Bul. 101 1948 U.B. Farm Build.
SOME EXPERIENCE IN IRRIGATION PRACTICES IN A HOT CLIMATE. Karl Harris, Irrigation Eng., Soil Conservation Service Research. U.B. Irrig.
WHEN TO USE SPRINKLER IRRIGATION IN COLORADO. Colo. Ext. Serv. Circ. 405-A 1949
YOUR MODERN FARM KITCHEN. Rural Housing Advisory Committee for British Columbia. Bul. 201 1948 U.B. Farm Build.

AGRICULTURAL ECONOMICS

HARVESTING ALFALFA HAY IN SOUTH PLATTE VALLEY OF COLORADO, 1946. Colo. Agr. Exp. Sta. Misc. Ser. 376 1948 100 C71M
POSTWAR FARM INCOMES IN MESILLA VALLEY, NEW MEXICO. N.M. Agr. Exp. Sta. Press Bul. 1029 1949 100 N46Sp
POSTWAR FARM INCOMES IN THE PECOS VALLEY NEW MEXICO. N.M. Agr. Exp. Sta. Press Bul. 1028 1949 100 N46Sp
PRODUCTION, CONSUMPTION AND PRICES OF FARM PRODUCTS AS RELATED TO AGRICULTURAL ADJUSTMENT. Chamber of Commerce of the United States. 1948 U.B. Econ.
RURAL COMMUNITY ORGANIZATION - A List of References. USDA Library list no. 46. 1949 1.916 L612
SOME OF THE FACTORS TO CONSIDER IN THE PURCHASE OR RENTAL OF LAND AS IT APPLIES TO RANGE MANAGEMENT. Wyo. Agr. Exp. Sta. Range Management no. 14. 1949.

CROPS

ALFALFA SEED PRODUCTION REQUIRES POLLINATION BY BEES. Utah Ext. Serv. Bul. 150 1947 275.29 Ut1C

CROPS (Cont.)

GENERAL REPORT ON PINTO BEAN INVESTIGATIONS, 1948. Colo. Agr. Exp. Sta. Misc. Ser. 435 1949 100 C71M
HOME VEGETABLE GARDENING IN THE CENTRAL AND HIGH PLAINS AND MOUNTAIN VALLEYS. U.S.D.A. Farmers' Bul. 2000 1949 1 Ag84F
IRRIGATION AND CULTIVATION OF LETTUCE. Calif. Agr. Exp. Sta. Bul. 711. 1949
1947 DRY-LAND CORN TESTS IN COLORADO. Colo. Agr. Exp. Sta. Misc. Ser. 388. 1948
1947 PINTO BEAN VARIETY EXPERIMENTS. Colo. Agr. Exp. Sta. Misc. Ser. 398. 1948
RELATIVE EFFICIENCY OF FOUR METHODS OF HARVESTING AND PRESERVING FORAGE CROPS FOR DAIRY FEED. U.S. Bur. Dairy Industry BDIM-Inf-72. 1949 1.973 D4B34
TEST OF HYBRID CORN UNDER IRRIGATION IN COLORADO IN 1947. Colo. Agr. Exp. Sta. Misc. Ser. 390 1948 100 C71M

FORESTRY

ALTERNATE CLEAR-STRIP CUTTING IN THE LODGEPOLE PINE TYPE. U.S. Rocky Mt. For. and Range Exp. Sta. Sta. paper 1 1949 1.9622 R2St1
A COMPARISON OF THE PINE-OAK RUSTS. USDA Tech. Bul. 978 1949 1 Ag84Te
EFFECTS OF DEFOLIATION ON GROWTH OF CERTAIN CONIFERS. A Summary of Research Literature. U.S. Northeastern For. Exp. Sta. Sta. Paper 22 1949 1.9622 N2St22
POLES AND FENCE POSTS FOR OREGON FARMS. Ore. Ext. Bul. 681 1949 275.29 Or32B
PRELIMINARY GUIDES FOR THE MANAGEMENT OF LODGEPOLE PINE IN OREGON AND WASHINGTON. U.S. Pacific Northwest For. and Range Exp. Sta. Res. Notes 54. 1949 1.9 F7629Fr
REPORT OF THE LATIN-AMERICAN CONFERENCE ON FORESTRY AND FOREST PRODUCTS. Teresopolis Brazil. April 19-30, 1948. Food and Agr. Organ. of the United Nations. 1948.
REVIEW OF PUBLISHED INFORMATION ON THE LARCH-DOUGLAS FIR TYPE. U.S. Northern Rocky Mt. For. and Range Exp. Sta. Sta. Paper 15. 1948 1.9622 N3St1
TREATING WOOD IN PENTACHLOROPHENOL SOLUTIONS BY THE COLD-SOAKING METHOD. U.S. For. Products Lab. R1445. Rev. 1948 1.9 F761R

RANGE AND PASTURE

THE DAIRY COW AND GRASSLAND FARMING. U.S. Bur. of Dairy Ind. BDIM-Inf-71. 1949. 1.973 D4B34
FORAGE PLANTS FOR WYOMING RANGE. Wyo. Agr. Exp. Sta. Circ. 35. 1948 100 W99C
PALATABILITY TRIALS OF WINTER PASTURE CROPS, AND EFFECT OF PHOSPHATE FERTILIZERS ON PALATABILITY. Okla. Agr. Exp. Sta. Tech. Bul. T-35 1949 100 Ok4T
QUESTIONS AND ANSWERS ABOUT GRAZING ON NATIONAL FORESTS. USDA AIS 80 1949 1 Ag84A
RANCH DAY - October 11, 1948. U.S. SW For. and Range Exp. Sta. 1.9622 S3So81.
Papers on range research in the Southwest; The Jornada Experimental Range; Mesquite control; Shrub control studies; Reseeding research; Influence of bulls on weight and grade of calves; Effects of rodents and rabbits on rangeland.
RANGE FORAGE SPECIES FOR SEEDING IN PONDEROSA PINE AREAS. U.S. Rocky Mt. For. and Range Exp. Sta. Res. Notes 5 1949 1.9622 R2R313
RESULTS OF PRELIMINARY TESTS OF PELLETIZED CRESTED WHEATGRASS SEED. U.S. Pacific Northwest For. and Range Exp. Sta. Res. Notes 53. 1949 1.9 F7629Fr
SEEDING PERMANENT PASTURES. Mo. Agr. Exp. Sta. Circ. 244 1946 100 M693C
WINTER PASTURE FOR MORE FEED AND BETTER FEED AT LOWER COST. Okla. Agr. Exp. Sta. Bul. B-333 1949 100 Ok4b

MISCELLANEOUS

HOW TO BRING OUT SIGNIFICANT DIFFERENCES IN YOUR DATA. SCS U.B. Research.
A SHORT CUT FOR SCALING AERIAL PHOTOS. U.S. Northeastern For. Exp. Sta. Sta. Paper No. 20 1948 1.9622 N2St22
SOME BASIC INFORMATION ABOUT RADIOACTIVE TRACERS FOR PLANT SCIENTISTS. Texas Agr. Exp. Sta. Misc. Pub. 13 1948 100 T31ap

